

Bruce Chrisman Directorate 630.840.6657 (phone) 630.840.8752 (fax)

February 5, 2009

Dr. Joanna M. Livengood Site Manager Fermi Site Office U. S. Department of Energy P. O. Box 2000 Batavia, Illinois 60510

Dear Dr. Livengood,

Subject:

Nuclear Materials Information Program (NMIP)

- References: 1) Memorandum, from J. M. Livengood to N. Grossman, dated January 13, 2009, Subject: Same as Above
 - 2) Memorandum, from T. P. D'Agostino to Distribution, dated January 5, 2009,
 - 3) Memorandum, from S. J. Borgia to Distribution, dated January 26, 2009, Subject: Nuclear Materials Information Program (NMIP) Archive Activities

In response to your request, Fermilab has reviewed its nuclear materials inventory to identify and select appropriate archive samples in support of the DOE Nuclear Materials Information Program. Per the memorandum cited as reference 3 above, high value archival samples required for submittal at this time are the following:

- Early U.S. highly enriched uranium (HEU) that is essentially free of U-236
- Modern U.S. HEU
- HEU enriched by processes other than gaseous diffusion
- Early U.S. Weapons Grade Plutonium (WGPu)
- Modern U.S. WGPu, both from LANL, Hanford, and Savannah River
- · Blended U.S. WGPu produced from high assay Hanford N-reactor fuel and lowassay Savannah River Site (SRS) targets
- Examples of special nuclear material (SNM) produced by different metallurgical processes
- Alloyed SNM
- Other materials deemed valuable to NMIP

Fermilab has no quantities special nuclear materials nor any other forms of materials listed above. Therefore, no archival samples of Fermilab's nuclear materials inventory are required to be generated at this time.

If you have questions, please contact K. Graden of the ES&H Section at (630) 840-4939.

Sincerely,

Bruce Chrisman

Chief Operating Officer

cc:

D. Cossairt

K. Graden

N. Grossman

S. Holmes

Y.-K. Kim

P. Oddone

ES&H File: Nuclear Materials